FreeCon Wireless LAN
WNC-0306 USB

H/W ver. : 1. x

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108Mbps Wireless USB Adapter

Product Overview
The LevelOne WNC-0306USB 108Mbps Wireless USB Adapter connects a desktop or laptop computer to a high-speed 108Mpbs Wireless network. The adapter is bundled with easy to use utilities for quick configuration, monitoring and diagnosis.

The WNC-0306USB adapter is 802.11b/g and SuperG* compliant for high-speed wireless data transfers, enabling users to enjoy high data throughput for multi-media, video streaming or real-time broadcast applications. It also features strong security keys and advanced encryption standards for establishing of a secured wireless connection.

High-speed Wireless Connection
The WNC-0306USB Wireless USB Adapter is fully compliant with the IEEE 802.11g and 802.11b standards with automatic rate selection for reliable wireless data communication. It also features SuperG* wireless technology enabling users to connect to wireless networks at speeds of up to 108Mbps at 2.4 GHz in a Super G wireless network.

The adapter is further compliant with the USB 2.0 standard for high-bandwidth data transfers between adapter and computer.

Advanced Security Encryption
The LevelOne WNC-0306USB Adapter supports 64/128-bit WEP Key wireless data encryption as well as standard WPA security. For advanced industry standard encryption the WNC-0306USB provides further support for WPA2 encryption for enhanced security with user authentication.

Easy Installation
The WNC-0306USB supports UPnP standard for quick and easy installation to any desktop or notebook computer with the aid of the LevelOne set-up wizard.

The adapter supports Windows 2000 and XP.

**SuperG is a trademark of Atheros Communications.*

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Key Features

- Compatible with IEEE 802.11b and IEEE 802.11g standards
- Supports SuperG™ technology data rate up to 108Mbps
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Compliant with USB2.0 and 1.1 specifications
- Supports wireless data encryption with 64/128-bit WEP Key for security
- Supports WPA-PSK and WPA2-PSK wireless network data encryption
- Simple user setup & diagnostics utilities
- Driver support for Windows 2000, XP only

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Technical Specification

Standards Compliant
- IEEE 802.11b
- IEEE 802.11g
- Universal Serial Bus 2.0, 1.1

Device Interface
- USB 2.0, 1.1with Type-A plug

Radio Technology
- IEEE 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)
- IEEE 802.11b: Direct Sequence Spread Spectrum (DSSS)

Transmission Rates
- 802.11g: 54Mbps
- 802.11b: 11Mbps
- Super G: 108Mbps

Transmit Power
- 15±2dBm typically @ 802.11g

Receiver Sensitivity
- 108Mbps: Typical - 68dBm(g) @ 10% PER
- 54Mbps: Typical - 72dBm(g) @ 10% PER
- 11Mbps: Typical - 84dBm @ 8% PER

Modulation Schemes
- IEEE 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64QAM)
- 802.11b: DSSS (DBPSK, DQPSK, CCK)

Wireless LAN Frequencies
- 2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Security
- 64/128-bits WEP Encryption/Decryption
- WPA-PSK (Wi-Fi Protected Access Pre-Shared Key)
- WPA2-PSK

Coverage Range
- Indoor: Up to 100 meters
- Outdoor: Up to 400 meters

Power Consumption
- 802.11g: TX 400mA (Max), RX 300mA
- 802.11b: TX 350mA (Max), RX 250mA

Diagnostic LEDs
- Power & Link ACT status

Physical Specifications
- Operating Temperature: 0°C~40°C,
- Humidity: 5%~95%RH
- Storage: -10°C ~70°C
- Dimension: 86.5mm(W) x 30mm (H) x 13mm (D)

Driver Support
- Windows 2000
- Windows XP

Certifications
- FCC Part 15.247 for US
- ETS 300 328 for Europe

Product Diagram

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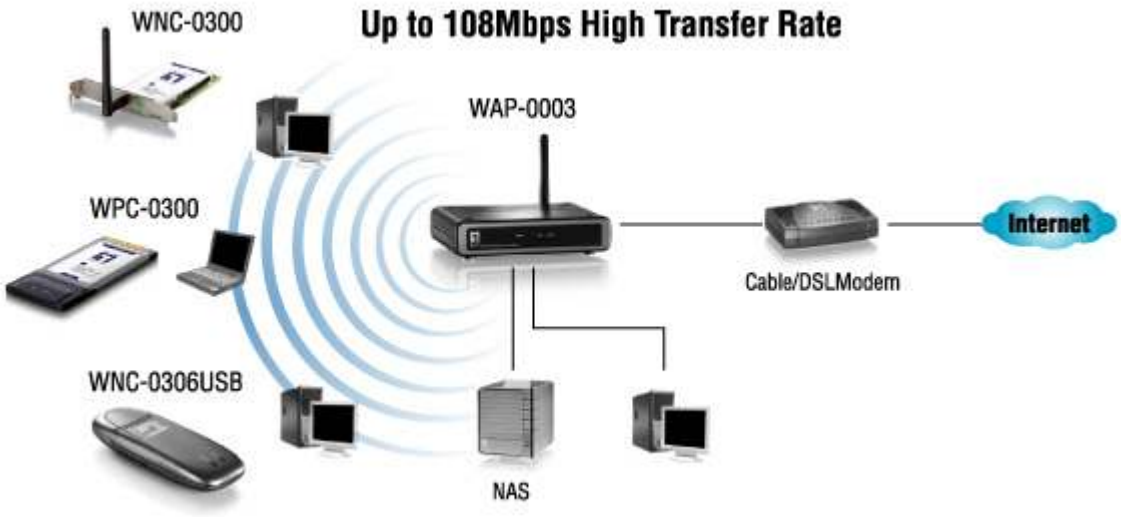

Ordering Information

WNC-0306 USB	108Mbps Wireless USB Adpater

For more information, please contact your LevelOne representative, or visit our website
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